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Vestnik Akademii Nauk SSSR, Vol XXII, No 10, 1952, pp 95,96.

APPLICATION OF LEUCOCYTE PREPARATIONS IF HUMAN AND VETERINARY MEDICINE IN THE USSR

The Presidium of the Academy of Sciences, USSR has stated that the work dealing with the action of various leucocyte factors on the organism of human beings and animals and being conducted at the Institute of Animal Morphology imeni A. N. Severtsov under the direction of Prof G. K. Khrushchov is of great theoretical interest and opens up wide perspectives for the therapeutic application of substances derived from leucocytes /leucocyte factors/ in human and veterinary medicine. The Institute of Animal Morphology has developed a method of obtaining leucocyte preparations which are suitable for the treatment of wounds. Investigation of these preparations disclosed their high effectiveness in the treatment of slowly healing wounds either by local application or by infiltration of surrounding tissues.

To expedite development of the method based on application of leucocyte preparations and to speed up the introduction of this method into practice, the Presidium considers it necessary to expand investigations being carried on at the Institute of Animal Morphology that aim at clarification of the action of leucocyte factors on the animal organism both under normal and pathological conditions. Particular attention should be paid to clarifying the mechanism of the action and the nature of biochemical changes brought about by leucocyte preparations in the blood and in tissues. The dependence of the action of these preparations on the directive effect of the central nervous system should also be established.

It has been proposed to the Institute of Animal Morphology to prepare in 1953 a volume of collected works which summarize the theoretical data and practical results obtained in connection with the application of leucocyte factors.

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